



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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November 15, 2012

Jon Sloan  
Environmental Compliance & Strategy Manager  
Seaport Environmental Programs  
PO Box 1209  
Seattle, WA 98111

RE: Water Quality Certification Order #9551 for U.S. Army Corps of Engineers Public  
Notice #NWS-2011-0467-WRD, Port of Seattle—Multi-Site Phased Pile Systems Repair  
& Maintenance Project, Seattle, King County, Washington

Dear Mr. Sloan:

On July 2, 2012, Port of Seattle submitted a Joint Aquatic Resource Permit Application (JARPA) to the Department of Ecology (Ecology) for a Section 401 Water Quality Certification (401 Certification) under the federal Clean Water Act for the proposed Port of Seattle—Multi-Site Phased Pile Systems Repair & Maintenance project.

On behalf of the State of Washington, Ecology certifies that the work described in the JARPA and the public notice complies with applicable provisions of Sections 301, 302, 303, 306 and 307 of the Clean Water Act, as amended and applicable state laws. This certification is subject to the conditions contained in the enclosed Order.

If you have any questions, please contact Rebekah Padgett at (425) 649-7129. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,

Erik Stockdale, Unit Supervisor  
Northwest Regional Office  
Shorelands and Environmental Assistance Program

ES:rrp:cja

Enclosure

By certified mail: 7012 1640 0000 6245 9726



cc: Olivia Romano, U.S. Army Corps of Engineers  
Laura Arber, Washington Department of Fish and Wildlife  
Don Olmsted, Washington Department of Natural Resources.  
Shandra O'Haleck, NOAA Fisheries  
Erika Hoffman, U.S. Environmental Protection Agency  
Allison Hiltner, U.S. Environmental Protection Agency  
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<b>IN THE MATTER OF GRANTING A</b>	)	<b>ORDER #9551</b>
<b>WATER QUALITY</b>	)	<b>Corps Reference #NWS-2011-0467-WRD</b>
<b>CERTIFICATION TO</b>	)	Port of Seattle—Multi-Phased Pile Systems
<b>PORT OF SEATTLE</b>	)	Repair & Maintenance Project; Seattle, King
in accordance with 33 U.S.C. 1341	)	County, Washington.
(FWPCA § 401), RCW 90.48.120, RCW	)	
90.48.260 and Chapter 173-201A WAC	)	

TO: Jon Sloan  
Environmental Compliance & Strategy Manager  
Seaport Environmental Programs  
PO Box 1209  
Seattle, WA 98111

On July 2, 2012, Port of Seattle submitted a Joint Aquatic Resources Permit Application (JARPA) to the Department of Ecology (Ecology) for a Section 401 Water Quality Certification. A joint public notice regarding the request was distributed by the U.S. Army Corps of Engineers (Corps) for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on August 29, 2012.

The proposed work will include pile repair and maintenance activities at 27 port facility structures over a 10-year period. Work includes the replacement of 235 to 390 structural, fender, dolphin, float, and other types of piles, replacement of associated elements (pile caps, beams, etc.), and placement of sand in any holes resulting from pile removal during any year for a period of 10 years in four zones:

- Zone 1A (Marine: Elliott Bay & Puget Sound): Shilshole Bay Marina, Terminal 91, Pier 69, Pier 66, Terminal 86, Elliott Bay Park Fishing Pier, Terminal 46, and Piers 2, 16, and 17.
- Zone 1B (Marine: East/West Waterways): Terminal 18, Terminal 10, Terminal 5, Terminal 30, Pier 28, and Terminals 24 and 25.
- Zone 2 (Estuary-Tidally Influenced Duwamish River): Terminal 102, Terminal 103, Terminal 104, Terminal 105, Terminal 106, Terminal 107, Terminal 108, and Terminal 115.
- Zone 3 (Freshwater): Maritime Industrial Center and Fisherman's Terminal.

Project activities would be conducted from a barge or landside crane. Piles would be extracted with a vibratory hammer or by pulling with a cable and chain rigged to an overhead crane. Up to 234 cubic yards of clean sand may be placed per year at pile removal locations. New piles will range from 12- to 30-inch-diameter, and include ACZA-treated timber, steel, concrete, and HDPE plastic. Piles would be installed with a vibratory hammer. However, some piles may be proofed with an impact hammer and in some instances may be entirely installed with an impact

hammer. Up to 3,300 piles could be replaced, up to 1,100 piles would be removed without being replaced, and up to 2,600 cubic yards of sand could be placed over the 10-year period.

Replacement of associated elements would include: timber, concrete, and steel pile caps and beams; sacrificial elements including cathodic protection and ultra-high molecular weight (UHMW) plastic wear strips; pile-associated attachment hardware; pile wraps, blankets, and "fresh heads;" fender system components that include whalers, chocks, compression parts, chains, hoops, bullrail, eyebrow, plates, and caps. Repair and maintenance of concrete pile caps and beams would require installation of falsework beneath supported structures.

The project is located at 27 Port of Seattle facilities located in the Puget Sound, Elliott Bay, East and West Waterways, Lower Duwamish River, Salmon Bay, and Lake Washington Ship Canal, Seattle, King County, Washington.

#### **AUTHORITIES:**

In exercising authority under 33 U.S.C. § 1341, RCW 90.48.120, and RCW 90.48.260, Ecology has examined this application pursuant to the following:

1. Conformance with applicable water quality-based, technology-based, and toxic or pretreatment effluent limitations as provided under 33 U.S.C. §§ 1311, 1312, 1313, 1316, and 1317 (FWPCA §§ 301, 302, 303, 306 and 307);
2. Conformance with the state water quality standards contained in Chapter 173-201A WAC and authorized by 33 U.S.C. § 1313 and by Chapter 90.48 RCW, and with other applicable state laws; and
3. Conformance with the provision of using all known, available and reasonable methods to prevent and control pollution of state waters as required by RCW 90.48.010.

#### **WATER QUALITY CERTIFICATION CONDITIONS:**

Through issuance of this Order, Ecology certifies that it has reasonable assurance that the activity as proposed and conditioned will be conducted in a manner that will meet the applicable water quality standards and other appropriate requirements of state law. In view of the foregoing and in accordance with 33 U.S.C. § 1341, RCW 90.48.120, RCW 90.48.260 Chapter 173-200 WAC and Chapter 173-201A WAC, water quality certification is granted to the Applicant subject to the conditions within this Order.

Certification of this proposal does not authorize the Applicant to exceed applicable state water quality standards (Chapter 173-201A WAC), ground water standards (Chapter 173-200 WAC) or

sediment quality standards (Chapter 173-204 WAC). Furthermore, nothing in this certification shall absolve the Applicant from liability for contamination and any subsequent cleanup of surface waters, ground waters or sediments occurring as a result of project construction or operations.

**A. General Conditions:**

- A1. For purposes of this Order, the term "Applicant" shall mean Port of Seattle and its agents, assignees and contractors.
- A2. For purposes of this Order, all submittals required by its conditions shall be sent to Ecology's Northwest Regional Office, Attn: 401/CZM Federal Project Manager, 3190 160<sup>th</sup> Avenue SE, Bellevue, WA 98008-5452. Any submittals shall reference Order #9551 and Corps Reference #NWS-2011-0467-WRD.
- A3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on July 2, 2012. The Applicant will be out of compliance with this Order and must reapply with an updated application if the information contained in the JARPA is voided by subsequent changes to the project not authorized by this Order.
- A4. Within 30 days of receipt of an updated JARPA, Ecology will determine if the revised project requires a new water quality certification and public notice or if a modification to this Order is required.
- A5. This Order shall be rescinded if the U.S. Army Corps of Engineers does not issue an individual Section 404 permit.
- A6. Copies of this Order shall be kept on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and lead workers, and state and local government inspectors.
- A7. The Applicant shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of this Order are being met.
- A8. Nothing in this Order waives Ecology's authority to issue additional orders if Ecology determines that further actions are necessary to implement the water quality laws of the state. Further, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified (e.g., violations of water quality standards, downstream erosion, etc.), or if additional conditions are necessary to further protect water quality.

- A9. The Applicant shall ensure that all appropriate project engineers and contractors at the project site have read and understand relevant conditions of this Order and all permits, approvals, and documents referenced in this Order. The Applicant shall provide Ecology a signed statement (see Attachment A for an example) from each project engineer and contractor that they have read and understand the conditions of this Order and the above-referenced permits, plans, documents and approvals. These statements shall be provided to Ecology before construction begins at the project or mitigation sites.
- A10. This Order does not authorize direct, indirect, permanent, or temporary impacts to waters of the state or related aquatic resources, except as specifically provided for in conditions of this Order.
- A11. Failure of any person or entity to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce its terms.
- B. Water Quality Conditions:**
- B1. This Order does not authorize temporary exceedances of water quality standards beyond the limits established in:
- WAC 173-201A-210(1)(e)(i) for work in Zones 1A, 1B, or 2 (Puget Sound, Elliott Bay, and East and West Waterways, and Lower Duwamish River). The area of mixing established for marine waters is a 150-foot radius surrounding the in-water activity. Turbidity occurring outside that zone that is more than 5 nephelometric turbidity units (NTU) over background when the background is 50 NTU or less, or a 10% increase in turbidity when the background turbidity is more than 50 NTU is a violation of the turbidity water quality standard.
  - WAC 173-201A-200(1)(e)(i) for work in Zone 3 (Salmon Bay and Lake Washington Ship Canal). The area of mixing established for freshwater is a 300 feet downstream from the in-water activity. Turbidity occurring downstream from this point that is more than 5 NTU over background when the background is 50 NTU or less, or a 10% increase in turbidity when the background turbidity is more than 50 NTU is a violation of the turbidity water quality standard.
- B2. The Applicant shall submit a Water Quality Monitoring Plan per condition A2 at least 30 days prior to start of in-water activities. The Water Quality Monitoring Plan shall be approved by Ecology prior to start of any in-water work.
- B3. Turbidity shall be monitored visually during all in-water activity at all facilities, except those in or adjacent to Model Toxics Control Act (MTCA) or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) cleanup areas (see

Condition B4). Visible turbidity shall be considered an exceedance of the water quality standard for:

- Work in Zones 1A, 1B, or 2 (Puget Sound, Elliott Bay, and East and West Waterways, and Lower Duwamish River), when visible turbidity is anywhere at or beyond the 150-foot point of compliance from the activity.
- Work in Zone 3 (Salmon Bay and Lake Washington Ship Canal), when visible turbidity is anywhere at or beyond the 300-foot point of compliance from the activity.

B4. Turbidity monitoring within MTCA or CERCLA cleanup areas shall be conducted in accordance with the approved Water Quality Monitoring Plan.

MTCA cleanup areas include:

- a. Zone 1A:
  - i. Pier 65-66 (sediment cap)
  - ii. Terminal 91
- b. Zone 2:
  - i. Glacier NW/Reichold Chemical (adjacent)
  - ii. South Park Marina
  - iii. Additional state-lead cleanup sites throughout the Lower Duwamish Waterway

CERCLA cleanup areas include:

- a. Zone 1B:
  - i. Lockheed West Superfund Site
  - ii. Pacific Sound Resources Marine Sediment Unit (completed site)
  - iii. Harbor Island Superfund Site, which includes the following operable units: Lockheed and Todd Shipyards (completed), West Waterway ("no action" site), and East Waterway
- b. Zone 2:
  - i. Lower Duwamish Superfund Site, including the following Early Action cleanup areas: Slip 4 (completed), Terminal 117, Norfolk CSO (completed), Duwamish/Diagonal Way (completed)
  - ii. Jorgenson Site
  - iii. RCRA Boeing Plant 2 site

B5. If no exceedances of state water quality standards are detected through water quality sampling and monitoring, turbidity monitoring reports shall be sent on a monthly basis to Ecology per Condition A2.

- B6. Detection of exceedances: If exceedances of state water quality standards (Condition B1) are detected through water quality sampling and monitoring, the Applicant shall immediately take action to stop, contain, and prevent unauthorized discharges or otherwise stop the violation and correct the problem. After such an event, the Applicant shall assess the efficacy of the site BMPs and update or improve the BMPs used at the work site in an effort to reduce or prevent recurrence of the turbidity exceedance.
- B7. Notification of exceedances: Notification of exceedances that are detected through water quality sampling shall be made to Ecology within 24 hours of occurrence. Notification shall be made with reference to Order #9551, Attn: 401/CZM Federal Project Manager, by telephone at (425) 649-7129 or (425) 649-7000, or by fax to (425) 649-7098. The Applicant shall, at a minimum, provide Ecology with the following information:
- a. A description of the nature and cause of exceedance.
  - b. The period of non-compliance, including exact dates, duration, and times and/or the anticipated time when the Applicant will return to compliance.
  - c. The steps taken, or to be taken, to reduce, eliminate, and prevent recurrence of the non-compliance.
  - d. In addition, within five (5) days after notification of an exceedance, the Applicant shall submit a written report to Ecology that describes the nature of the exceedance, turbidity results and location, photographs, and any other pertinent information.

**C. Conditions for Construction Activities:**

**Upland Conditions:**

- C1. Construction stormwater, sediment, and erosion control best management practices (BMPs; *e.g.*, filter fences, etc.) suitable to prevent exceedances of state water quality standards shall be in place before starting construction at the site.
- C2. Sediment and erosion control measures shall be inspected and maintained prior to and during project implementation.
- C3. All construction debris shall be properly disposed of on land so that it cannot enter a waterway or cause water quality degradation to state waters.



**In-Water Conditions:**

- C4. All construction debris shall be properly disposed of on land so that it cannot enter a waterway or cause water quality degradation to state waters.
- C5. Machinery and equipment used during construction shall be serviced, fueled, and maintained upland, unless otherwise approved by Ecology, in order to prevent contamination to any surface water.
- C6. Wash water containing oils, grease, or other hazardous materials resulting from wash down of equipment or working areas shall be contained for proper disposal, and shall not be discharged into state waters or storm drains.
- C7. Work in or near the water that may affect fish migration, spawning, or rearing shall cease immediately upon a determination by Ecology that fisheries resources may be adversely affected.
- C8. During project demolition or construction, a containment boom shall be placed around the perimeter of the work area to capture wood debris and other materials released into the waters as a result of construction activities. All accumulated debris shall be collected and disposed of upland at an approved disposal site. Absorbent pads shall be deployed should any sheen be observed.
- C9. The Applicant shall use tarps or other containment method when cutting, drilling, or removing biofouling over water to prevent debris, sawdust, concrete and asphalt rubble, and other materials from entering the water.
- C10. During construction, the Applicant shall have a boat available on site at all times to retrieve debris from the water.
- C11. All manmade debris that has been deposited below the Ordinary High Water Line (OHWL) within the construction work area shall be removed and disposed of upland such that it does not enter waters of the state. Concrete rubble, metal debris, and other debris in the construction work corridor that have washed into marine areas shall be removed from the project area.
- C12. Vegetable-based hydraulic fluid shall be utilized in pile driving equipment.
- C13. If cast in place, wet concrete/grout shall be prevented from entering waters of the state. Forms for any concrete/grout structure shall be constructed to prevent leaching of wet concrete/grout. Impervious materials shall be placed over any exposed concrete/grout not lined with the forms that will come in contact with state waters. Forms and impervious materials shall remain in place until the concrete/grout is cured.

- C14. Clean Fill Criteria: Applicant shall ensure that fill (sand) placed for the proposed project does not contain toxic materials in toxic amounts.
- C15. Project activities shall be conducted to minimize siltation of the beach area and bed.
- C16. The Applicant shall operate the barge(s) and tug in deep water so as to minimize nearshore propeller wash impacts such as suspension of nearshore sediments.
- C17. Barges shall not be allowed to ground-out during construction.
- C18. Repair/maintenance of pile caps and beams, replacement of UHMW rub strips, and pile wraps and blankets shall occur in the dry.
- C19. Pile cleaning (after removal of biofouling or for fresh-heading) shall be conducted with an environmentally safe product.
- C20. Replacement of cathodic protection systems shall be conducted manually by divers.
- C21. Aluminum anodes shall be used in place of zinc for cathodic pile protection.
- C22. Rubbing strips shall be fitted to replacement fender piles with UHMW type plastic, or high-density polyethylene (HDPE) type plastic. Under no circumstances shall rubber tires be used for fender systems.
- C23. Sawdust, drillings, and trimmings from treated wood shall be contained with tarps or other impervious materials and prevented from contact with the beach, bed or waters of the state.

**Piling Removal Conditions:**

- C24. Approximately 3,300 piling shall be removed and replaced and 1,100 piles shall be removed without being replaced. Piling shall be removed by vibratory extraction.

If piles break during removal and cannot subsequently be extracted with mechanical means, the piling shall be cut off below the mudline and capped with a nominal 6-inch cover of clean sand. If cutting off below the mudline would create environmental and/or water quality impacts, the piling shall be cut off at the mudline and capped with a nominal 6-inch cover of clean sand. Within designated CERCLA and/or MTCA cleanup areas, broken piles shall be cut off as directed by Ecology and/or EPA.

- C25. Piles, stubs, debris, and all associated excavated sediments shall be contained and prevented from entering waters of the state.

- C26. Piles removed from substrate: the pile shall be moved immediately from the water into the barge or onto uplands. The pile shall not be shaken, hosed-off, left hanging to drip or any other action intended to clean or remove adhering material from the pile.
- C27. Work surface on the barge deck or on uplands shall include a containment basin for piles and any sediment removed during pulling of the piling. Basins may be constructed of durable plastic sheeting with sidewalls supported by hay bales or support structure to contain all sediment. Water left in the basins shall not be discharged into waters of the state.
- C28. The piles and any sediment removed during pulling of the piling shall be disposed of at an approved upland disposal site.
- C29. Hydraulic water jets shall not be used to remove piling.

**Pile Driving:**

- C30. The new pilings shall be ACZA-treated timber, steel, concrete, or HDPE plastic.
- C31. ACZA-treated timber piles shall only be used to replace existing treated timber piles, and only when no other material is practicable as determined by engineering analysis.
- C32. The pilings and steel sheet pile shall be installed using a vibratory hammer whenever possible. An impact hammer may be used to proof pile, if needed.
- C33. The Applicant shall deploy a bubble curtain or other BMP(s) to protect marine life while placing or proofing new piling or sheet pile.
- C34. Hydraulic water jets shall not be used to install piling.

**D. Emergency/Contingency Measures:**

- D1. The Applicant shall develop and implement a Spill Prevention and Containment Plan for all aspects of this project.
- D2. The Applicant shall have adequate and appropriate spill response materials on hand to respond to emergency release of petroleum products or any other material into waters of the state.
- D3. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into state waters.

- D4. Any work that is out of compliance with the provisions of this Order, or conditions causing distressed or dying fish, or any discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, is prohibited. If these occur, the Applicant shall immediately take the following actions:
- a. Cease operations at the location of the violation or spill.
  - b. Assess the cause of the water quality problem and take appropriate measures to correct the problem and/or prevent further environmental damage.
  - c. Notify Ecology of the failure to comply. All oil spills shall be reported immediately to Ecology's 24-Hour Spill Response Team at 1-800-258-5990, **and** within 24 hours of spills or other events to Ecology's 401/CZM Federal Project Manager at (425) 649-7129 or (425) 649-7000.
  - d. Submit a detailed written report to Ecology within five (5) days that describes the nature of the event, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of any samples taken, and any other pertinent information.

Compliance with this condition does not relieve the Applicant from responsibility to maintain continuous compliance with the terms and conditions of this Order or the resulting liability from failure to comply.

**E. Timing Requirements**

- E1. All in-water work shall be completed by the work window identified in the most current Hydraulic Project Approval (HPA) issued for this project. Any project change that requires a new or revised HPA should also be sent to Ecology for review.
- E2. This Order expires 10 years from the date of issuance of the Corps permit.

**F. Reporting and Notification Requirement Conditions**

- F1. The Applicant shall provide to Ecology's 401/CZM Federal Permit Manager a copy of the final Corps permit within 2 weeks of receipt of the permit. A copy shall be submitted per condition A2 above.

F2. Applicant shall provide notice to Ecology's 401/CZM Federal Project Manager:

- At least three (3) days prior to the start of construction each season.
- Within 14 days after completion of construction of work at the last project site each year this Order is in effect.

Notification, referencing Corps Reference #NWS-2011-0467-WRD, Order #9551 can take place by telephone to (425) 649-7129 or (425) 649-7000, fax to (425) 649-7098, or in writing.

F3. For all zones overlapping MTCA or CERCLA cleanup sites (Zones 1A, 1B and 2), pre-construction coordination with Ecology's Toxics Cleanup Program, Ecology's Hazardous Waste and Toxics Reduction Program (Terminal 91 only), and the U.S. Environmental Protection Agency's CERCLA unit is required on an annual basis in order to coordinate regarding:

- Proposed pile repair/maintenance work for the upcoming construction season, including site plans.
- Potential interaction between the proposed work and any existing or former cleanup sites (e.g., construction/cleanup timing issues or cap restoration).
- Sediment sampling that may be needed for a specific project site(s).
- Best management practices to be utilized for pile repair/maintenance activity and any changes that may be needed for specific project sites.

Pre-construction coordination shall occur at least 60 days prior to start of the fish window of each year for the upcoming year's work.

F4. The Applicant shall provide to Ecology per Condition A2 an annual written construction status report by March 31 of the following year that includes:

- Description of work completed during the year at each Port of Seattle facility.
- Problem(s) encountered and recommendations for improvement.
- Planned activities for the upcoming year.

Status reports shall be submitted every 12 months until construction is complete.

## **YOUR RIGHT TO APPEAL**

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do both of the following within 30 days of the date of receipt of this Order:

File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.

Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

## **ADDRESS AND LOCATION INFORMATION**

<b>Street Addresses</b>	<b>Mailing Addresses</b>
<b>Department of Ecology</b> Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	<b>Department of Ecology</b> Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
<b>Pollution Control Hearings Board</b> 1111 Israel Road SW STE 301 Tumwater, WA 98501	<b>Pollution Control Hearings Board</b> PO Box 40903 Olympia, WA 98504-0903

## **CONTACT INFORMATION**

Please direct all questions about this Order to:

Rebekah Padgett  
Department of Ecology  
Northwest Regional Office  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008  
(425) 649-7129  
[rebekah.padgett@ecy.wa.gov](mailto:rebekah.padgett@ecy.wa.gov)

## **MORE INFORMATION**

**Pollution Control Hearings Board Website**

[www.eho.wa.gov/Boards\\_PCHB.aspx](http://www.eho.wa.gov/Boards_PCHB.aspx)

**Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**

<http://apps.leg.wa.gov/RCW/default.aspx?cite=43.21B>

**Chapter 371-08 WAC – Practice And Procedure**

<http://apps.leg.wa.gov/WAC/default.aspx?cite=371-08>

**Chapter 90.48 RCW – Water Pollution Control**

<http://apps.leg.wa.gov/RCW/default.aspx?cite=90.48>

**Chapter 173.204 WAC – Sediment Management Standards**

[www.ecy.wa.gov/biblio/wac173204.html](http://www.ecy.wa.gov/biblio/wac173204.html)

**Chapter 173-200 WAC – Water Quality Standards for Ground Waters of the State of Washington**

[www.ecy.wa.gov/biblio/wac173200.html](http://www.ecy.wa.gov/biblio/wac173200.html)

**Chapter 173-201A WAC – Water Quality Standards for Surface Waters of the State of Washington**

[www.ecy.wa.gov/biblio/wac173201A.html](http://www.ecy.wa.gov/biblio/wac173201A.html)

## **SIGNATURE**



Erik Stockdale, Unit Supervisor  
Wetlands/401 Unit  
Shorelands and Environmental Assistance Program  
Northwest Regional Office

11-15-2012

November 15, 2012

**ATTACHMENT A**

**PORT OF SEATTLE  
MULTI-SITE PHASED PILE SYSTEMS REPAIR & MAINTENANCE PROJECT  
Water Quality Certification Order #9551**

**Statement of Understanding of  
Water Quality Certification Conditions**

I have read and understand the conditions of Order #9551 Section 401 Water Quality Certification for the Port of Seattle—Multi-Site Phased Pile Systems Repair & Maintenance Project. I have also read and understand all permits, plans, documents, and approvals associated with the project referenced in this Order.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company